

## ABSTRACT OF THE DISCLOSURE

A logarithmic graph plotting apparatus capable of easily setting and displaying x- and/or y-axes as logarithmic ones to thereby display a logarithmic graph. A graph range setting picture (View Window) is displayed by operating a "range" key. The x- and y-coordinate ranges are inputted and set on the graph range setting picture. Graph plot data  $(x_1, y_1)$ ,  $(x_2, y_2)$ ,  $(x_3, y_3)$ , ...,  $(x_n, y_n)$  corresponding to any particular graph function expression are calculated based upon the coordinate ranges to thereby plot and display a corresponding a graph in a coordinate system with the x- and y-coordinate axes. When logarithmic graph display check boxes (☐x-Log) and/or (☐y-Log) on the setting picture (View Window) are checked off, logarithmic scale lines corresponding to the set x- and y-coordinate ranges are set and plotted. In addition, each of the graph plot data  $(x_1, y_1)$ ,  $(x_2, y_2)$ ,  $(x_3, y_3)$ , ...,  $(x, y_n)$  is also converted to a corresponding logarithmic value ( $\log x$ ,  $\log y$ ), which are used to plot and display a corresponding logarithmic graph (FIG. 2).